



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

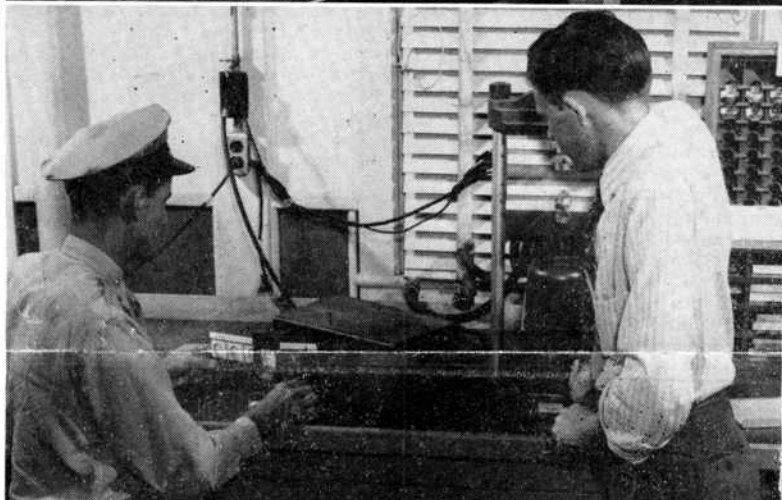


Volume 1—No. 11

OAK RIDGE, TENNESSEE

Tuesday, July 15, 1947

How Badges Of Y-12 Employees Are Fabricated



Camera Club Members Ready For Contest

Amateur photographers in Y-12 are preparing prints to compete in the formal competition to be held by the Carbide Camera Club next Tuesday night, July 22. The contest will be held in connection with the regular club meeting, scheduled for 8 p.m., in the East Portal Building of Y-12.

Each club member may enter up to four pictures in the print contest with subject matter not being limited to special classes. Each entry should be affixed to a 16 by 20 inch mount. The prints may be enlargements from any size negatives with the majority expected to be either eight by 10, 11 by 14 or five by seven inches in size.

VETERANS GIVEN AID

Former service men desiring assistance in filing applications for reinstatement of government insurance and for terminal leave pay may obtain aid from the Oak Ridge Chapter of the American Red Cross.

\$6,138.84 Paid Out In Insurance Claims

Health and accident benefits totalling \$6,138.84 were paid through the Y-12 Insurance Office from May 4 through June 30 under the Carbide insurance plan available to all employees. The payments were made on 66 claims, including one death.

The Carbide insurance plan provides for health and accident payments ranging from \$24.50 to \$40 per week. The claimant may file a claim for benefits after four days of absence from work if he has been under the care of a licensed practicing physician. A total of 93.5 per cent of Y-12 employees have enrolled in the plan.

Employees now wishing to enroll in the insurance plan must undergo a physical examination and a 90-day waiting period before the coverage becomes effective.

Complete information regarding the plan may be obtained from the Y-12 Insurance Office in the Dispensary, telephone 7651.

'Flying Saucer' In Dither With

Picture On Page 3

Rewards worth \$1,000 for captive "flying saucers" have been added to the worries of harried George McNamee, Cafeteria and Canteens Superintendent.

"Mac" claims that the first publicity on the meteorological mysteries caused him and other cafeteria managers a slight degree of annoyance, because they were shadowed by furtive individuals 24 hours a day, the theory being that some restauran-

How plant badges are made and the employees who do the work are shown in these pictures. At top left, Ruby Sanders is assembling pictures and other material used in the badges. In the center Otis Rackley is working at a drill press boring holes in a partly completed badge preparatory to attaching the clasp. At Rackley's left is a laminating machine in which the badges are baked under high pressure to seal the acetate covers over the identification material. At right Guard W. S. Colwell is attaching clasps to the badges. In the center picture to the left Colwell is clipping pictures for the badges while Rackley looks on. The lower picture shows Ruby Sanders issuing a temporary pass to a plant visitor. The upper right picture shows how Troy E. Hightower, of Employment, takes photographs for badges on an especially designed camera. The inserted picture at the top is Ruth Kidwell, also an employee in the Badge and Pass Office who was on vacation when the other pictures were made.

Eight Departments Have Perfect Attendance Records In Week

Perfect work attendance records were turned in by eight Y-12 departments during the week ending July 5. Of these, one was in the major league, composed of departments with more than 50 employees. The other seven were in the minor league of departments with from 15 to 49 employees.

These figures topped those of the previous week ending June 28, when six minor league departments had perfect attendance figures.

The major league department having the perfect record for the week ending July 5 is Dept. A14N, Electrical Equipment Repair and Maintenance. The entire major league record of absenteeism for the week was 2.2 per cent, 1.2 per cent lower than the previous week.

Three minor league departments repeated their perfect attendance mark of the preceding week. They were Dept. M12M, Material Control, Product; Dept. A19N, Laundry; and Dept. A12T, Garage Repair Shop. Joining these three in the select group were Dept. A12L, Employment; M14C, Chemical Recycle in Bldgs. 9211 and 9928; A15N, Experimental Process Equipment Maintenance; and Dept. B12A, Superintendents. The group absenteeism mark was two per cent, 1 per cent lower than the previous week.

The complete plant standing by departments is published on Page Three.

New Phone Directory Is Issued By AEC

A new, convenient and completely informative telephone directory of all official telephones in the Clinton Engineer Works area has been distributed by the Atomic Energy Commission. The new directory replaces the old blue-covered book issued by the Manhattan District in November, 1946, and the orange-colored directory in use in Y-12 since June, 1946.

The new directory contains 70 pages with telephone listings for all the major operating companies and offices being separated into sections easily located in the book through an index on the margin of the pages. The major listings include those of the Atomic Energy Commission, Roane-Anderson Co., Carbide and Carbon Chemicals Corp. K-25 and Y-12 plants and the Mon-

(Continued on Page 3)

Badges Provide Identification, Security In Y-12

The proper identification of every person within the portals of Y-12 at all times is one of the "musts" of the security program in effect in the plant area. It is the work of the Badge and Pass Office branch of the Plant Protection Department that assures that every employee and visitor has such credentials ready to present immediately when required to do so.

Not only must every Y-12 employee have a badge to enter the three main entrance portals, but those working in certain areas must have special badges authorizing their entry into such territory. In all, 10 different types of badges are in use in the plant area, each bearing a different color scheme and letter designation that immediately identifies the wearer and his right to be in particular sections of the plant.

The Badge and Pass Office in the North Portal operates under the direction of W. O. Watson, Assistant Chief of the Guard Department, and its work is done by a staff of three employees. They are Otis Rackley, Guard W. S. Colwell and Ruth Kidwell. Troy E. Hightower, of Employment, takes the pictures used on all plant badges.

Not only are the regular permanent badges fabricated and issued by this office, but all temporary passes also are issued there. These temporary passes are for employees who happen to forget their badges or lose them and also for visitors with official business in the plant.

Strict Security Maintained

The Y-12 Security Office continues to maintain a strict program in the plant although many war time projects relaxed their requirements after World War II hostilities ceased. As all information, material and equipment used in Y-12 is classified as restricted data, it has been deemed necessary to maintain the security program in the plant on practically the same degree of secrecy as prevailed during the war years as protection against possible sabotage, malicious mischief, leakage of information or other threats to the security of the plant and nation.

For this reason the positive identification of every person within the plant area is required through the badge and pass system. Rigid controls are maintained over the manufacture and issuance of the badges and passes so that counterfeiting the credentials is practically impossible. In addition, the style and type of the badges are changed every six months as a precaution against use of lost badges by unauthorized persons to gain admittance to the

(Continued on Page 3)

Share-The-Ride Office Seeking More Car Space

More space in automobiles for commuting employees is being requested by the Share-The-Ride Office as many applications for transportation have been received. Most of the rides wanted are to and from Knoxville.

Any motorist having space in his automobile for additional passengers is asked to communicate with the Share-The-Ride Office, Receptionist Desk, Bldg. 9704-2, telephone 7457, giving the approximate schedule of driving to and from work and the route followed.

Reward Offers Has McNamee Threat To Use Paper Plates

McNamee had developed an ingenious jet propulsion device and was experimenting with kitchen crockery for duds. This type of investigation lasted about two days. By that time the sleuths discovered that the cafeteria boys' only experience with "flying saucers" was that of dodging those propelled by their ever-loving spouses.

This reward business really has "Mac" worried. In the good old days his deleted saucer inventory

could be charged to butter-fingered dish washers or marriage-minded gals of Scotch ancestry who figured the cafeteria crockery fair and legal plunder for her start in life.

But when major cities started offering \$1,000 each for "flying saucers," "Mac" just shook his head and hollered for the cops.

When last seen, McNamee was deeply buried in a thick catalog which advertised non-skid, non-breakable, and non-flying paper plates for every occasion.

Y-12 Bulletin

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Carbide And Carbon Chemicals
Corporation
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Oak Ridge Tenn.
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OFFICE
North Portal, Bldg. 9701-1
Telephone 7402 or 7-8252

Safety Lane Deadline Set For Saturday

All Y-12 employees who own or operate motor vehicles in Oak Ridge are reminded that Saturday, July 19, is the deadline for obtaining safety lane stickers signifying the vehicle is in safe operating condition. Oak Ridge authorities have stated that there is no indication that the deadline will be extended as the safety lane has been open for several weeks to test all vehicles in the community.

The value of the safety tests is indicated by the low traffic accident rate in Oak Ridge as the examinations reveal faulty lights, brakes and other parts of an automobile that could cause accidents if not remedied. Safety lane records show that approximately 50 per cent of the vehicles fail to pass initial tests while 90 per cent are approved after indicated repairs are made.

The hours of operation for the safety lane will not be changed during this week. Cars will be examined daily through Friday from 11:15 a.m. to 8 p.m., with the exception of a 45-minute lunch period from 2:15 to 3 p.m. and on Saturday from 8:15 a.m. until 5 p.m., with the lunch hour being observed from noon to 12:45 p.m.

The safety lane is located on East Division Road just off the Oak Ridge Turnpike.

Drivers failing to display the new safety stickers after Saturday are liable to citation by the Oak Ridge Police Department. The stickers are required on all vehicles operated in Oak Ridge more than one day each week unless the vehicles have stickers from other approved safety lanes.

Carbide Wives' Monthly Party Will Be Held Wednesday

The Carbide Wives will stage their monthly party at 7:30 o'clock Wednesday night, July 16, in the West Lounge of the Ridge Recreation Hall. Card games will be played and refreshments served.

All members of the organization who are wives of Y-12 employees are urged to attend.

Hostesses for the party will be Mrs. E. W. Bailey, Mrs. R. D. Shaffer, Mrs. G. W. Somers, Mrs. S. J. Zangri, Mrs. N. W. Askew, Mrs. J. H. Harmon and Mrs. V. G. Katzel.



The Oak Ridge Hospital reported three births for Y-12 employees last week. They include Mr. and Mrs. Harlan D. Whitehead, Sr., a son July 3; Mr. and Mrs. Wilburn William Combs, a son, July 9; Mr. and Mrs. Sanford B. Dosson, a son, July 9.

Hospital List

Six Y-12 employees were on the list of patients last week at the Oak Ridge Hospital. They were Rounette McKenzie, Dept. B13L; Joseph B. Wilkinson, Dept. H12L; Samuel J. Acres, Dept. M13C; James V. Ledbetter, Dept. A12G; Alvin K. Bissell, Dept. M12M; Willie Cale, Dept. A12H.

Engaged



Miss Phyllis Rutherford



Miss Mary Mallory



RUTHERFORD-STOOKSBURY
Mr. and Mrs. Russell H. Rutherford, of Clinton, Tenn., have announced the engagement of their daughter, Phyllis Jane Rutherford, to Homer G. Stooksbury, son of Mr. and Mrs. Henry Stooksbury, also of Clinton.

The wedding will take place at 8 p.m. Saturday, August 2, at the Bethel Baptist Church at Clinton. Mrs. Carl Rutherford, sister-in-law of the bride-elect, will be matron of honor. William Stooksbury, cousin of the groom-elect, will be best man.

Miss Rutherford is employed in Dept. A12J, while Stooksbury is with the Roane-Anderson Co.

MALLORY-PENN
Dr. and Mrs. J. N. Mallory, of Jackson, Tenn., announce the engagement and forthcoming marriage of their daughter, Miss Mary Mallory, former Y-12 employee, to Richard Penn, also a former Y-12 employee. The ceremony will take place at 6:30 p.m., Saturday, July 26, at the Chapel-On-The-Hill with the Rev. Stuart W. Rule officiating. Miss Mallory now is employed by the Oak Ridge schools. She is a graduate of Union University, Jackson, and is a member of the Zeta Tau Alpha sorority. At her wedding she will have her twin sister, Mrs. E. E. McCombs, a Y-12 employee, as matron of honor. Other attendants of the bride will be Miss Margaret Raulston, of the Atomic Energy Commission; and Miss Gwen Petway, of Benton, Ky., bridesmaids.

Penn is the son of Mr. and Mrs. L. E. Penn, of Circleville, Ohio. His brother, John Penn, will be best man and E. E. McCombs, Bldg. 9212, will be one of the ushers.

HILL-PHILLIP
Mr. and Mrs. Holmes Hill, of Cookeville, Tenn., announce the engagement of their daughter, Helen,



Strictly Confidential..



Frank Fuis, of Engineering, and family have returned from a vacation in St. Louis, Mo. . . . S. J. Angele and family are now vacationing in Baltimore, Md.

Avery Kendig, of Mechanical Shops, has returned to work after a vacation . . . Christine Sparkman is back after a week's vacation . . . O. B. Trammell has returned after a round of the hospitals, St. Mary's in Knoxville, and Vanderbilt in Nashville . . . Louie Madonna made a business trip to Oxford, Miss., over the weekend. He surely can brag about his car . . . Irene Elmore spent her vacation in Virginia . . . H. D. Duncan is on the sick list at Nashville.

An all-day family style picnic was held last Thursday at Big Ridge Park by approximately 70 employees in Group No. 3 of the Refining Division. Three departments were represented, A15N, M13B and A12N, with Lea King, Mary Mitchell, Odra Archer, H. S. Sanders and Tommy Jones being in charge of arrangements. In addition to large portions of appetizing eatables the picnic group played softball, horseshoes and volleyball and enjoyed boating and swimming.

Paul M. Griffin, Dept. H12L, is the proud owner of a new washing machine given away by the Oak Ridge Junior Chamber of Commerce at its July 4 shindig.

Employees of the Chemical Department staged a summer dance last Friday night at the Ridge Recreation Hall. Music was served on platters.

Thomas W. McKenzie, Superintendent of Plant Protection, returned last week from Washington, D. C. While in the nation's capital he saw E. D. Hughes, former Supervisor of Equipment Testing in Y-12, who sent greetings to his friends in the plant.

Cafeterias and Canteen Superintendent George McNamee and Mrs. McNamee left last Thursday for Portland, Ore., where they will attend the grand lodge convention of the Elks. McNamee is exalted ruler of the Oak Ridge Elks Lodge.

Howard Lowers, Dept. A12M, is enjoying a vacation trip to Toronto, Canada . . . Other department vacationers include J. B. Lawson, J. M. McMasters, J. L. Short and L. A. Brown.

Fay Cook and Georgia Kader from Dept. A12S, are absorbing Florida's brand of summer sunshine at Daytona Beach . . . J. L. Francis, Inez Lowry, J. L. Hammon, Margaret Johnson, J. D. M. Griffin, M. R. Redmon, J. E. Rogers, L. H. Ross and E. L. Bailey also are vacationers in A12S.

News Editor George W. Dobbs of The Y-12 Bulletin spent the July 4 weekend in Washington visiting his daughter, son-in-law, son and three granddaughters. While there he also saw Roberta Phillips, former Y-12 employee, who wished to be remembered to friends here.

A picnic was enjoyed by Group 4, Process Departments, recently at Big Ridge Park. Swimming, boating, softball, and fishing were the highlights of the day. After plenty of food, everyone returned home tired, full, and happy. . . . Vacation season seems to be well under way—Katherine Reed, whose pride and joy is a 16 mm. movie camera, brought back excellent movies made on a sight-seeing tour of Florida . . . Blanche Brookshire spent her vacation with her father who has been ill . . . Toy Seymour and husband spent their vacation visiting relatives in Mississippi . . . Johnnie Dodson and Bada Boles spent a long weekend sight-seeing in Washington, D. C. and Annapolis, Md. . . . Betty Olson spent her vacation in Florida . . . Sidney Anderson and his wife vacationed in the Carolinas . . . Kathy Richardson felt lucky when she put her feet on solid earth again after a flying trip to Idaho where she spent her

a former Y-12 employee, to John F. Phillip, son of Mr. and Mrs. Frank Phillip, of Chicago, Ill. Phillip also is a former employee of Y-12 and is now employed by the Atomic Energy Commission.

The wedding will take place in the Chapel-On-The-Hill in early August.

vacation. After a motor going dead while over the Rockies, being grounded four times, flight cancelled three times, and being carried 300 miles past her destination, it only took three days to make the return trip . . . Virginia Swanner is spending her vacation with relatives in Athens, Ala. . . . Thelma Bradshaw and her husband are now vacationing in Washington, D. C., at the home of Charles Greaser, a former Y-12 employee . . . Archie Riikola and family are spending a vacation in Minnesota . . . Billie Ferrell was recently visited by her brother, Alfred, of Woodbury, Tennessee . . . Kathy Richardson had as her recent guests, Mr. and Mrs. Claude Black and son, Ensign Ray Black of Idaho Falls, Idaho.

The picnic planned at Concord Park for the Stores Departments of Y-12 and K-25 has been indefinitely postponed.

Mae Slagel spent last weekend at her home in Loyall, Ky.

Jo Goodson, Research and Development, is spending a week's vacation in South Carolina . . . Ray Duckworth and wife spent a recent weekend in Birmingham, Ala. . . . Other vacationers of Research and Development include Harold Greene, Fred Kappleman, Bill Chapman and Tommy Starnes.

Vacationing at Daytona Beach this week is Maola Conner of Office Services.

Several employees of Analytical Laboratory have returned from their vacations . . . Ed Caldwell and wife have returned from Illinois, Jim Harville from Cincinnati where he saw some major league baseball games, and Anna Ruth Roberson from Detroit and Canada . . . Also Al Stephens and family from Myrtle Beach, S. C., and Mr. and Mrs. R. M. Warnock and daughter Betty from a tour of Florida . . . Nancy Doane is now vacationing in California and Lake Louise, Canada . . . Daisy Brogan has had as her house guest, Mr. and Mrs. Millard Gully, of Bristol, Va. . . . A recent week-end trip to Gatlinburg was enjoyed by Mary Lee Cox, Alice Jamison, Susie Pease, Inez Heatherly (Analytical Laboratory), and Billie Boyd (Chemical Product) and her brother, Clarence Boyd . . . Mary Robertson spent a long week-end in Birmingham, Ala., recently.

E. A. Bagley, of Manufacturing Office, and family and family have returned from a trip to Asheville, N. C.

Those on vacation from Electrical Equipment, Repair and Maintenance are K. H. Hale, J. C. Ezell and H. R. Adkins.

Pat Hamrick, of Employment, and family visited friends in Bristol, Va., recently. He also visited Holly Hornbeck and J. S. Witt in Kingsport, Tenn. . . . Mr. and Mrs. John D. Price spent a recent weekend in Johnson City, Tenn. . . . L. R. Murphy visited his parents in Stearns, Ky., last weekend . . . Evelyn Hammons and Maude Parten spent July 4 at Norris Dam . . . Ruth Dolinger and Clara Bowman recently visited Ruth's parents in Abingdon, Va. . . . Betty Lou Carter visited her parents and friends in Waynesboro, Tenn. . . . Avo Hammond, Mozelle and John Kennedy paid a recent visit to friends in Cincinnati, Ohio.

J. F. Bruce, Guard Department, and Mrs. Bruce announce the birth of a seven pound daughter, July 7, at the Fort Sanders Hospital in Knoxville . . . J. T. Fry is listed among the vacationers this week.

Fannie North, of Industrial Services, and her husband are vacationing in Detroit, Mich.

JAYCETTES TO MEET TONIGHT
The Oak Ridge Jaycettes will meet at 7:30 o'clock tonight at the home of Mrs. Brainard L. Patton, 114 Peach Road. The meeting will be held outdoors and a committee in charge of refreshments is composed of Mrs. Patton, Mrs. Artie A. Addison, Mrs. A. B. Bissell and Mrs. Russell Ralston.

Foot Note: Wear safety shoes.

Security observance is a continuous duty.

Recently Wed

5-7053



Mrs. Charles S. Harrill



HARRILL-MANSON

Announcement has been received of the marriage of Charles S. Harrill, of Dept. A14N, Electrical Equipment Repair and Maintenance, to Miss Edith Ann Manson, former Y-12 employee. The ceremony took place July 5 in Baltimore, Md.

The bride is the daughter of Mr. and Mrs. W. T. Manson, Sr., of near Richmond, Va., and worked in Y-12 until August, 1946. During the past year she has been teaching in the Kenwood High School at Baltimore.

Harrill is the son of Mrs. W. D. Harrill, of Rogersville, Tenn.

Three Y-12 Men Enter Model Plane Meet

Joe Culver, Dept. A12W, president of the Oak Ridge Model Airplane Club; Gordon Steele, Dept. H12L; and George Tucker, Dept. A12N; will be Y-12 representatives in a model plane contest to be held in Knoxville July 26 and 27. They will enter varied types of model airplanes in the meet.

Culver and his wife participated in the state meet held in Nashville July 4 and 5, Culver entering a power model in both free flight and controlled flight events. Mrs. Culver entered a rubber-band powered aircraft. Steele also participated in the controlled flight event in Nashville.

Oak Ridge model plane owners took three first places and a second place in the Nashville competition. Among the victors were Jimmy Singleton, 126 East Drive, whose plane set a world's record of 74 miles per hour to win Class A free flight event.

A good tip—back the Security program.

A person alert is seldom hurt.



'Hams' Seeking Interference

5-7047



James Wilburn, right, and D. M. Moore, members of the Oak Ridge Radio Operator's Club, demonstrate the use of a radio interference locator used by the club to track down the causes of interference with reception by radio sets. The club has offered to aid any Oak Ridge resident in locating trouble in radio reception. Pointing out that radio receiving set interference can come from such sources as heating pad thermostats, electric irons, electric motors, power system leaks, electric signs and dial telephones, the club invites reports of bad radio reception to be made to the club, P. O. Box 291, or to J. C. Ezell, chairman of the technical committee of the club, whose residence telephone number is 5-2714.

Badges Provide Complete Identification And Security For Employees In Y-12 Plant

(Continued from Page 1)

plant.

Atomic Energy Commission and plant regulations require that every employee wear a badge while at work in the Y-12 area. It is preferred that the badge be worn on the left lapel of a coat, shirt or blouse by all employees.

All Y-12 Guards are required to carefully inspect each badge when wearers enter the main portals or any restricted area. At some of these restricted areas, badges admitting employees to the main portals are taken up and badges good only in that particular area are issued. When the employee leaves that area an exchange of badges again occurs.

Responsibility is placed on Supervision to check badges of employees on the job who are not personally known to the Supervisor. This step is precaution against any persons gaining access to areas to which they are not assigned.

Security Responsibility Of All

The Security Office also stresses the fact that maintaining the security of the plant is the responsibility of every employee.

All visitors to the plant area are cleared through the Badge and Pass Office and the Security Office. Distinctive type passes are issued these visitors, who in most cases are provided an escort during the time spent in the plant on official business. These passes must be worn in plain view so that the identity of the wearer may be known at all times.

Fabricating the badges is an interesting although comparatively simple process. The first step is that of having a photograph made on a specially constructed camera that turns out the finished pictures in strips. A frame on which the name and payroll number of the employee is shown is placed in front of the subject when the picture is made.

How Badges Are Assembled

These pictures are then clipped into the size used on the badge or badges to be issued the employee. The picture then is fitted to a card on which is printed lettering identifying the type of badge and the area to which it authorizes admittance.

The picture and card then are placed between two sheets of acetate cover with a camphor sheet sealer. The pictures, cards and covers then are placed in a laminating press and cooked at a temperature of 250 degrees Fahrenheit and under pressure up to 25 tons, applied by a hydraulic jack.

After four minutes of such treatment, the badge is removed from the machine and allowed to cool before being given another heat bath in a temperature of 150 degrees. After this has been done the edges of the badge are trimmed to correct size, holes are drilled and the clasp attached.

Manufacture Requires 10 Minutes

The entire manufacturing process for one badge usually requires about 10 minutes. However, in rush times such as that in June when new badges were required for all employees, as many as 800 badges were turned out in six hours. The usual staff of the Badge and Pass Office was increased by four extra employees at that time.

The demand for badge replacements in Y-12 because of loss is steadily declining. Most of the badge losses are reported following vacations or days off when employees declare they believe the missing badge has been left on articles of clothing sent to laundries or dry cleaners or misplaced while changing clothes.

In all cases where an employee has lost a badge, he must report to the Badge and Pass Office to obtain a temporary pass before entrance may be gained to the plant area. The employee must be personally identified by his Supervisor at the Badge and Pass Office before the temporary pass, good for one day, is issued.

\$1 Fee For Lost Badges

A fee of \$1, paid to the office of the Cashier in Room 15, Bldg. 9704-2, then is required before the new badge is issued. A receipt for the payment is presented to the Badge and Pass Office whereupon the new badge is issued.

The Badge and Pass Office is open Mondays through Fridays from 8:15 a.m. to 5 p.m. Employees who lose or forget their badges and who have to report for work at other hours must telephone 7283 and a guard will be dispatched from Guard Headquarters to issue the required passes.

GUARD COMPANY GROWS

Co. K, 278th Infantry Combat Team, Tennessee National Guard, of Oak Ridge, has grown from 35 members to more than 60, according to Capt. John T. Babcock, commanding officer. Several Y-12 men are members of the unit, which is one of the largest National Guard units in the state.

By being safe today, you'll be here tomorrow.

New Telephone Directory For Ridge Issued By AEC

(Continued from Page 1)

santo Chemical Co. In addition to giving telephone numbers of principal offices, an alphabetical list of individuals with telephones also is included.

Other listings include American Industrial Transit, Fairchild Engine and Airplane Corp., NEPA Division, Hanley and Co., J. A. Jones Construction Co., Kellex Co., City of Oak Ridge, Oak Ridge Institute of Nuclear Studies, Skidmore-Owings-Merrill, United States Government convenience listings and the Watson-Flagg Engineering Co.

Complete instructions how to telephone for fire, police, long distance, telephone repair service, pass office for visitors and other calls are prominently listed in the new directory.

K-25, Monsanto Foes Of Y-12 Team This Week

The Y-12 women's softball team in the Oak Ridge City League, currently coasting along in second place, clash with their Carbide cousins from K-25 at 6 o'clock tonight and meet the Monsanto lassies at the same time Wednesday.

Hope For Two Triumphs

The Y-12 girls in blue hope to turn in a pair of victories in these encounters as they have been able to trounce both of their opponents fairly regularly throughout the season.

Meanwhile the Y-12 outfit is seriously considering requesting an act of Congress to enable them to defeat the league-leading Hospital team. Not once this season have Coach Ray Ledford's charges been able to overcome the jinx held by the Hospital combination and the latest defeat was suffered last Thursday when our side was on the short end of a 9 to 3 score. The next Y-12-Hospital game is scheduled for Tuesday, July 22.

Y-12 Wins Wild One

In their other appearance on the diamond last week, the Y-12 team turned in a wild 24 to 23 victory over Monsanto. The victors piled up an even dozen runs in the first inning but then had to score six more in the final round to gain the triumph.

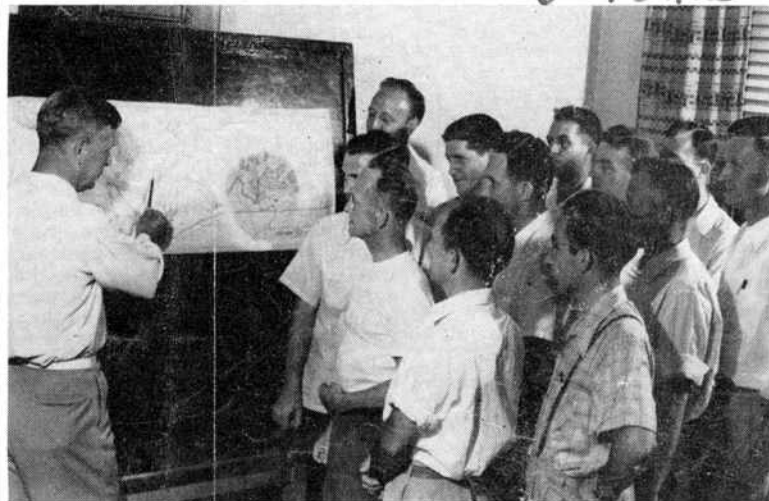
Line scores of the two Y-12 games last week follow:

Games last week follow.						
Y-12	1	0	0	0	2	4
Hospital	4	3	0	1	1	0
Batteries Y-12 Roberts and Roberts, Hospital, Clough and Randolph.						
Y-12	12	2	0	0	3	1
Monsanto	7	1	3	0	9	2
Batteries: Y-12, Roberts and Cornet, Monsanto, Morrison and Bradley.						

Check your files before checking out every day.

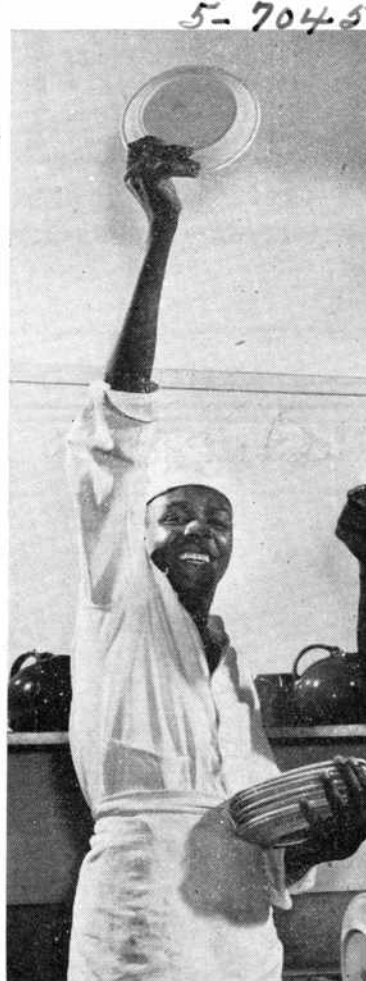
Y-12 Golfers Listen To Plans

5-7042



Golf enthusiasts of Y-12 are having details of the new Oak Ridge golf course shown them on a map by A. J. Kessing, president of the Oak Ridge Golf and Country Club, at left in the picture above. The Y-12 members of the club shown in the picture include W. L. Scott, H. J. Ratjen, W. M. Reynolds, D. W. Harrigan, W. D. Lavers, James Kirk, E. T. Henson, George W. Mitchell, H. J. Belnap and G. J. Nessel. These and other club members are working steadily to construct nine holes of the course on the site west of Oak Ridge.

Cafeteria Saucer Soarers Of Y-12 'Just Have Fun'



You can't beat Y-12 employees for originality. When they heard about the "flying saucers" that had the nation in a dither last week, Simon J. Myers, Jr., left and James Davis, Cafeteria and Canteen employees, decide to do a little saucer flying on their own hook, much to the consternation of George McNamee, Superintendent of the department. Simon and James seem to be very happy about the entire procedure. "We don't ask questions, we just have fun," grins Simon as James agrees.

Souvenir of Oak Ridge Recipes

Following is another recipe from the cook book, "Souvenir of Oak Ridge." This one is for Sally Lunn.

"Cream together $\frac{1}{2}$ cup sugar, $\frac{1}{2}$ cup butter and lard mixed. Add two eggs and beat until thick and creamy. Add a little salt, one cup sweet milk and three cups sifted flour if necessary. Cover with wax-two teaspoons baking powder. Bake in moderate oven (350 degrees) for about 40 minutes. Use stem pan."

Uncle George, with the wooden leg, was buying socks.

"That will be 75 cents and two cents for tax," said the clerk.

"Tacks be durned," said Uncle George, "I'll just tie 'em up."

Community Playhouse Sets Tryouts For This Week

Tryouts for three plays to be presented by the Oak Ridge Community Playhouse, August 22 and 23 at the high school auditorium will be held Wednesday, Thursday and Friday nights of this week. The first two sessions will be held in Room 160 of the high school and the Friday night tryout will be held in the school auditorium. Y-12 employees are cordially invited to participate in the tests for roles in the productions.

The three plays to be presented are "The Boor," by Anton Chekov; "Just Off Picadilly," by James Parish; and "He Ain't Done Right By Our Nell," by Wilbur Braun.

Department Absentee Mark For Week Ending July 5

MAJOR LEAGUE More Than 50 Employees				
Dept.	Percentage Absent	7-5-47	Standing	6-28-47
A14N	0.0	1	14	
A12M	0.4	2	3	
A12W	0.5	3	1	
A13N	0.7	4	13	
H12E	1.0	5	2	
B13L	1.7	6	5	
H12L	1.9	7	9	
A17N	2.03	8	15	
A12S	2.04	9	12	
M13B	2.1	10	6	
M12P	2.3	11	7	
A16N	2.5	12	11	
A12G	2.7	13	4	
M15C	3.2	14	10	
M13C	3.9	15	16	
B12L	4.4	16	8	

Group average absentee percentage was 2.2 per cent, 1.2 per cent lower than the preceding week.

MINOR LEAGUE From 15 to 49 Employees				
Dept.	Percentage Absent	7-5-47	Standing	6-28-47
M12M	0.0	1	1	
A16N	0.0	1	1	
A12T	0.0	1	1	
A12L	0.0	1	2	
M14C	0.0	1	3	
A15N	0.0	1	9	
B12A	0.0	1	10	
A12D	0.8	2	1	
A14J	1.8	3	8	
A12A	2.5	4	4	
M12S	2.9	5	1	
A12N	3.6	6	1	
A12J	3.6	6	5	
A13T	4.2	7	7	
A12R	7.9	8	6	

Group average absentee percentage was two per cent, .1 per cent higher than the preceding week.

The plant average for the week ending July 5, 1947, was 2.1 per cent, .9 per cent lower than the preceding week.

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Y-11 Softballers No Soft Touch

5-7003



The Y-11 softball team of the plant league does not boast so many games on the won side of the standing but have given all their foes strong opposition in every tilt. Front row, left to right, Burnett, Didlay, Martin, and Conduff. Back row, Mailer, Campbell, Brown, Moore, Higgins and Rice.

Bldg. 9212 Softies On Rampage; League Season May Be Extended

The demon softballers down in Bldg. 9212 ran into a hot streak last week and were seriously threatening the plant league leading Has Beens at press time of The Bulletin last Friday. The Bldg. 9212 outfit had one more game on the win side of the ledger than the leaders but had also lost two more.

Arnold Tiller, Recreation Supervisor, announced last week that a meeting of club managers will be called some time this week to decide whether to add another round of games to the league schedule before the double-elimination tournament opens in August. Such an extension would require about three more weeks of playing time.

A slight revision has been made in the schedule for tomorrow night. In the 7:30 p.m. game at the Administration Field the Calutrons will play Maintenance instead of the Y-11 team providing the opposition for Maintenance.

Revised Schedule Given

For the information of all teams, the league schedule through July 28 follows:

TUESDAY, JULY 15
Oakwood Field No. 2
6 p. m., Has Beens vs Calutrons.
WEDNESDAY, JULY 16
Administration Field
6 p. m., Ramblers vs Bldg. 9212.
7:30 p. m., Calutrons vs Maintenance. 9 p. m., Wolves vs One-91.
THURSDAY, JULY 17
Oakwood Field No. 2
6 p. m., Maintenance vs Bums.
MONDAY, JULY 21
Administration Field
6 p. m., Bldg. 9212 vs Has Beens.
7:30 p. m., Y-11 vs Ramblers. 9 p. m., Calutrons vs Wolves.
TUESDAY, JULY 22
Oakwood Field No. 2
6 p. m., One-91 vs Bldg. 9212.
WEDNESDAY, JULY 23
Administration Field
6 p. m., Maintenance vs Has Beens. 7:30 p. m., Y-11 vs Bums.
9 p. m., Calutrons vs Bldg. 9212.
THURSDAY, JULY 24
Oakwood Field No. 2
6 p. m., Ramblers vs Bums.
SATURDAY, JULY 26
Administration Field
6 p. m., One-91 vs Maintenance.
7:30 p. m., Has Beens vs Y-11.
MONDAY, JULY 28
Administration Field
6 p. m., Calutrons vs One-91. 7:30 p. m., Ramblers vs Wolves.

It is the desire of every good American that Y-12 classified information be protected.

Plant Softball Standings, Results

Results of games played from July 2 through July 10.									
Calutrons	2	3	1	4	1	0	7	18	18
Y-11	0	3	0	0	0	1	4	5	7
Has Beens	2	0	0	0	0	1	x	3	5
One-91	0	0	1	0	0	0	0	1	6
Ramblers	3	0	2	0	5	x	12	11	12
Bldg. 9212	1	4	7	6	8	7	x	33	25
Bums	0	8	6	0	4	4	x	22	12
Wolves	0	2	2	0	0	1	x	5	6
Wolves	3	0	2	0	0	0	0	5	2
Has Beens	0	0	2	0	4	3	x	9	10
Bums	4	8	5	0	1	3	x	20	14
Y-11	1	1	1	2	1	0	1	7	10
Maintenance	1	2	0	2	0	0	2	7	13
One-91	1	2	0	2	0	0	2	7	13
Bldg. 9212	2	4	3	1	7	2	x	19	17
Calutrons	1	0	0	2	0	0	x	3	5
Calutrons	1	1	6	0	5	0	0	13	15
Maintenance	3	3	0	0	6	2	x	14	16
Calutrons	0	0	2	2	0	0	0	4	6
Wolves	2	0	1	0	2	1	x	6	9

LEAGUE STANDING Including Games of July 10

Team	W	L	Wolves	9	8
Has Beens	12	2	One-91	6	9
Bldg. 9212	13	4	Calutrons	2	4
Bums	10	6	Ramblers	3	11
Maintenance	8	6	Y-11	1	14

BOMB FILMS AVAILABLE

Oak Ridge organizations desiring to show 16mm. motion picture films on the bombing of Hiroshima and Nagasaki and the subsequent tests at Bikini may obtain them from the Public Relations Office of the Atomic Energy Commission. Arrangements for use of the films may be made by telephoning 4-9253 between 8:15 a.m. and 5 p.m. Mondays through Fridays.

DRIVING TESTS SET

Motor vehicle drivers without a state permit now must undergo an examination by the Tennessee State Highway Patrol before the license is issued. The examinations are given on Wednesday from 9 a.m. to 3:30 p.m. at the highway patrol headquarters on East Division Road near the Oak Ridge Safety Lane.

Do not discuss technical details of processes or describe equipment while off the job.

Y-12 Employee Rejuvenates Motorcycle Engines As Hobby; Aids Knoxville Racer Win Honors

Success in motorcycle racing is achieved through a combination of skill, good judgment, coordination and first-class equipment, according to Harry Cupp, design engineer in Dept. H12E. A motorcycle racing enthusiast for years, Cupp has rebuilt about 20 stock models for entry in races.

With Bill McManus, of Knoxville, as rider, some of these motorcycles have placed in events staged in various cities over the nation. In a recent race at Montgomery, Ala., McManus placed second in the main event and second in the first heat.

Wins Chattanooga Victory

Riding at Chattanooga, McManus also took first in the second heat and first in the third heat. A fall in the first heat delayed him and he came in third. In the main event, he was in first place until the seventh lap, at which time he dropped to second place.

In Greenville, S. C.; McManus took first place in the first and second heats of races held there recently.

McManus also hit some tough luck while racing at Columbus, Ohio. He was in second place but fell near the end of the competition and was unable to regain his lost advantage.

Discloses Racing Secrets

Cupp says that practically every motorcycle racing enthusiast is familiar with "secrets of the trade." That is, most of them know to modify engines in order to get the most out of them. "Rules require the use of stock models, which may be altered in accordance with certain accepted requirements," he says.

"If any contestant in a race, or anyone else for that matter, gets the idea that someone has violated the rules, he can demand that the engine be torn down for inspection."

"Redesigning of a stock model for racing competition is largely a matter of careful measuring and fitting of parts. There must be a careful balancing of one piston against the other. It is very important to keep the cubic-inch displacement of each piston as nearly equal as possible."

Much Depends on Rider

"The ability and skill of the rider also are factors in motorcycle racing. He must be able to judge the quality of the track on which he rides and it is seldom that two tracks are alike. The type of track, its curves, banks and fills also determines the gear ratio to use. "The gear ratio must be such as to enable the rider to get the most out of his cycle without stalling. Sprockets are changed to meet track layout and conditions."

"The rider also must learn not to overshoot turns. These riders are often called the 'hot-foot boys,' because they use their feet on the turns to avoid upsetting and yet maintain as much speed as possible. The left foot slides the most and as a result is equipped with a steel half-sole."

Must Be Good Mechanic

If a rider expects to place in races, he must also be a good mechanic. "He has to be able to diagnose trouble almost the moment it develops," Cupp says, "and he must work out a means of remedying it quickly if he expects to stay in the race."

"Take McManus in his races at Daytona Beach, Fla., for example. One of the gas lines connecting with the carburetor broke while he was competing. He swung off the cycle, asked a spectator for a pair of pliers and pinched up the broken line. Since this was on the rear tank compartment, he was able to turn off the fuel and keep the front tank compartment functioning. He reentered the race with the help of a bystander and cut near our pit boys, who were near the track."

"'Broken gas line!' he shouted and continued in the race. Meanwhile, we got a new gas line and arranged the wrenches which we would need. After he had gone four or five laps further, we signaled him to pull in to the pit. We replaced the gas line, refilled the tanks, put in a quart of oil, wiped his face for him and gave him a



Harry Cupp, at the left in the top picture, is a design engineer in Dept. H12E, and his main hobby is doctoring motorcycle engines. In this picture he is tinkering with a racing motorcycle belonging to him and Bill McManus, Knoxville motorcycle racing driver shown at the right. In the lower picture, Cupp, at left, is shown in his Knoxville shop working on parts of the motorcycle while McManus looks on.

drink of water.

"This took only 90 seconds, which probably isn't a record but it was plenty fast for us. We gave him a shove and he reentered the race. Later, a small spring broke which held the magneto in an advanced position and he put his foot on the magneto arm controls to keep the engine running. Had it not been for his ability to meet these problems as they arose, he would have been compelled to drop out of the race."

Parts Were In Basket

The motorcycle now being ridden by McManus was dismantled when acquired by Cupp. "It appears that some farm boy had experienced a breakdown shortly before World War II and had torn the engine all apart," he says. "Since the war began shortly afterward, he was either unable to get parts or was called into the service."

"When we bought the machine, all the engine parts were in a bushel basket. Dust had accumulated and some parts needed replacing. However, when the job was done, I thought we might have something. The machine has been performing quite well ever since."

Frequent "tuning up" of the motorcycles and the engines is required, Cupp says. After every race they must be inspected, adjusted and any worn parts replaced. And

parts aren't always so easy to get.

"There isn't much money in motorcycle racing," Cupp says. "It's all done purely for the love of the sport. It costs plenty to maintain a motorcycle and to pay one's travel and living expenses in going from city to city. We don't usually have much expense in connection with the pit boys, as they like the sport so well."

"McManus has won about \$500 from racing this year and that's only a small drop in the bucket when it comes to expenses."

Formerly Made Jewelry

Cupp once was a jewelry manufacturer. He made rings and set stones before going to the University of Tennessee as chief instrument maker. While with that institution, he operated an automobile body shop as a sideline.

These activities have given him a deep liking for mechanical pursuits, particularly the use of tools. As a result, he likes to rebuild the motorcycle engines and work on his own car.

Cupp began working in Y-12 February 19, 1945.

**More Sport News
On Page Three**